Eetu Mahlakaarto

Game Programmer & 3D Artist

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SUMMARY

Game programmer and 3D artist studying XR Design at Metropolia UAS. Develops and maintains 25 Minecraft projects with 1M+ total downloads, builds VR and flat screen games in Unreal Engine 5 and Unity, takes commissions for custom 3D avatars and VTuber models.

PROGRAMMING

- **Minecraft Modding — Java, cross-loader (Fabric / Forge / NeoForge):** 25 published projects on CurseForge with 1M+ total downloads. Simply Tents is the flagship mod at 793k+ downloads across 7 Minecraft versions.
- **Data & Inventory Serialization:** NBT and Data Component APIs for persistent tent interiors — blocks, items, and entities survive pack-up and redeploy.
- **Networking & Synchronisation:** Client-server packet systems for real-time state sync. Cobblemon Synchro Machine (19k+ downloads) morphs the player model and collision to match any Pokémon.
- **UE5 VR & Flat Screen Development:** NovaRun — zero-gravity traversal game for Meta Quest, Valve Index, and Vive. Flat screen build targets PC via procedurally generated levels and physics-driven obstacles.

3D ART & TECHNICAL ART

- **Asset Production:** Full pipeline in Blender and Substance Painter — modelling, UV unwrapping, PBR texturing, and export for Minecraft (Blockbench / GeckoLib), VRChat (Unity), and VTuber platforms (VRM).
- **Rigging & Weight Painting:** Humanoid and non-humanoid rigs for VRChat avatars with custom expressions, PhysBone cloth/hair physics, and prop constraints.
- **Performance Optimisation:** Polygon budgeting, atlas texture packing, and LOD setup for real-time use in VR and Minecraft.

EDUCATION

Metropolia University of Applied Sciences — Bachelor of Engineering, XR Design *2023 – 2027*
Keuda, Vocational Institute — Photographic Media *2015 – 2018*

LINKS

CurseForge: curseforge.com/members/sappyeddie | Modrinth: modrinth.com/user/Sappyeddie
VGen commissions: vgen.co/sappyeddie | LinkedIn: linkedin.com/in/eetu-mahlakaarto-0a1575349